

CLAIMS

1. A telecommunications system for providing information services to a subscriber in a GPRS network comprising:
 - a BTS including a storage area for storing a first database, the first database including data for providing the information services; and
 - a MS including a second database,wherein the BTS transmits the data to the MS, the MS populates the second database with the data transmitted from the BTS, and the MS provides the information services to the subscriber using the second database in response to a request from the subscriber.
2. The telecommunications system of claim 1, wherein the storage area is accessed and modified by a central application managing the first database.
3. The telecommunications system of claim 1, wherein the BTS transmits the data in the first database to more than one MS.
4. The telecommunications system of claim 1, wherein the data is transmitted on a dedicated PDCH (packet data channel) in idle packet frames.
5. The telecommunications system of claim 1, wherein the MS populates the second database while in idle mode.
6. The telecommunication system of claim 1, wherein the information services provide information related to a specific geographic location of the subscriber.

7. A telecommunications system for providing location-based services in a GPRS network comprising:

- a central application managing databases, the databases including information needed to provide the location-based services;
- a BTS including a storage area; and
- a MS in communication with the BTS,

wherein the central application accesses and modifies the storage area of BTS to include the databases, the BTS transmits data of the databases to the MS, the MS then populates its database with the data transmitted from the BTS, and the MS provides the location-based services using its database in response to a request from a subscriber.

8. The telecommunications system of claim 7, wherein the BTS transmits the data in the databases to more than one MS.

9. The telecommunications system of claim 7, wherein the data in the databases is transmitted on a dedicated PDCH in idle packet frames.

10. A method for providing information services to a subscriber in a GPRS network comprising:

- providing a storage area in a BTS; and
- modifying the storage area in the BTS to include a first database, the first database including data needed to provide the information services,

wherein the BTS transmits the data to a MS including a second database, the MS populates the second database with the data and provides the information services to the subscriber using the second database.

11. The method of claim 10, wherein the BTS transmits the data on a dedicated PDCH in idle packet frames.
12. The method of claim 10, wherein the BTS transmits the data packets to more than one MS.
13. The method of claim 10, wherein the MS provides the information without connecting to the GPRS network.
14. The method of claim 10, wherein the information services provide information related to a specific geographic location of the subscriber.
15. A method for providing information services to a subscriber in a GPRS network comprising:
 - attaching a MS to the GPRS network;
 - activating a PDP context;
 - receiving a TFI reserved for a downlink data;
 - deactivating the PDP context;
 - monitoring a dedicated PDCH for data packets of a first database transmitted from a BTS; wherein the first database includes data needed to provide the information services;
 - downloading the data packets of the first database;
 - populating a second database in the MS with the downloaded data packets; and
 - providing the information services to the subscriber using the second database.

16. The method of claim 15, wherein the first database is stored in a storage area in the BTS.
17. The method of claim 16, wherein the storage area in the BTS is accessed and modified by an application managing the first database.
18. The method of claim 15, wherein the BTS transmits the data packets of the first database to more than one MS.
19. The method of claim 15, wherein the data packets of the first database are transmitted from the BTS in idle packet frames.
20. The method of claim 15, wherein the second database in the MS is populated while the MS is in idle mode.
21. The method of claim 15, wherein the method further includes setting up a ciphering information while activating the PDP context.
22. The method of claim 21, wherein the MS downloads the data packets using a ciphering key Kc.
23. The method of claim 22, wherein the method further includes a step of reinitiating the PDP context activation to receive another ciphering key if the MS fails to decipher contents of the data packets.

24. The method of claim 15, wherein the information services provide information related to a specific geographic location of the subscriber.